

Fish Passage & Diversion Screening Inventory Database Report Cover Sheet

The following report is extracted from the Washington Department of Fish and Wildlife's (WDFW) Fish Passage and Diversion Screening Inventory Database (FPDSI). WDFW makes every attempt to keep these reports in sync with FPDSI; however, the dynamic nature of the data and workflows associated with maintaining the database may result in short-term differences.

Users are encouraged to contact WDFW to discuss appropriate use of the data and how we can assist with fish passage barrier removal or inventory. Please visit the Fish Passage web site for contact information at: https://wdfw.wa.gov/species-habitats/habitat-recovery/fish-passage/about

Disclaimers:

- Data presented here represent a snapshot observation of conditions in a dynamic environment that is subject to change. Fish passage data are also collected from a variety of agencies and sources. Therefore, WDFW makes no guarantee concerning the data's content, accuracy, completeness, or the results obtained from use of the data. WDFW assumes no liability for the data represented here.
- These data are not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife.
- Note that some fish passage features, habitats or species may occur in areas not currently
 known to the WDFW Fish Passage division, and may not be reflected in this database. A lack of
 data does not necessarily indicate that a feature, habitat, or species are not present.
- Unauthorized attempts to alter or modify these data are strictly prohibited.
- Bankfull width measurements included in these reports should not be used for fish passage crossing design. They are solely for assessment purposes.
- The barrier status reported in this document is based on the swimming abilities of adult salmonids. Passabilities are a qualitative value, and should not be interpreted as a quantitative calculation. Please see page 1-4 of the Fish Passage Inventory, Assessment and Prioritization Manual for further clarification: https://wdfw.wa.gov/publications/02061
- EXIF data presented with Image Reports may be erroneous due to camera battery failures and resetting of camera clock functions.

Abbreviations:

Most abbreviations in this report are defined in the Quick Reference Tables of the Fish Passage Inventory, Assessment, and Prioritization Manual. Additional commonly used abbreviations are defined as follows:

NFB = no potential salmonid use, **BB** = both banks, **LB** = left bank looking downstream, **RB** = right bank looking downstream, **US** or **U/S** = upstream, **DS** or **D/S** = downstream, **WSDrop** = water surface drop, **BFW** = bankfull width, **OHW** = ordinary high water, **SLW** = scour line width, **CMP** = corrugated metal pipe, **Q**_{fp} = fish passage flow, **V&D** = Velocity and Depth, **ROW** = Right of Way

The FPDSI database often uses default values such as '-99.99' or '-999' to represent null values.

WDFW Fish Passage and Diversion Screening Inventory Database

Site Description Report

FR14	Project	WLARETRO			Mitigated	
Geographic Coordinate	es	Waterboo	dy			
Latitude (WGS 84):	48.59439	Stream:			Butler Cr	
Longitude (WGS 84):	-122.32406	Tributar	y To:		Friday Cr	
East (NAD 83 HARN):	1,198,779.1	WRIA:			03.0019	
North (NAD 83 HARN)	1,194,617.0	River Mi	le:		-999.99	
L		Fish Use	e Poten	tial:	Yes	
General Location		FUP Cri	teria:		Mapped	
Road Name:	Old 99	Owner				
Mile Post:	-999.99	Type:	County	/		
County:	Skagit	Name:	Skagit		nty	
WDFW Region:	4				,	
PI Species			<u>I</u>			
☐ Sockeye	✓ Chinook		✓ Se	ea Ru	ın Cutthroat	
☐ Pink	✓ Coho		Resident Trout			
✓ Chum	✓ Steelhead	d	□ Ви	ıll Tro	out	
Associated Features						
✓ Culvert	☐ Dam	☐ Natural Ba	arrier		Diversion	
\square Non-Culvert Xing	\square Other	\square Fishway				
Location/Directions						
Old Hwy 99 crossing; N	of intersection of Old	d 99 and Parson (Or Rd.			
Site Comments						

11/19/2021

These data represent a snapshot of the Washington Department of Fish and Wildlife's current records. Due to the ongoing nature of assessment and inventory of these features, these data may not accurately represent conditions on the ground, and are subject to change.

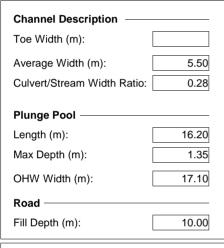
WDFW Fish Passage and Diversion Screening Inventory Database

Level A Culvert Assessment Report

Site ID:	FR14				
Latitude:	48.59439	Stream:	Butler Cr	WRIA:	03.0019
Longitude:	-122.32406	Tributary To:	Friday Cr	Fish Use Potential:	Yes

Data Source:		Washington Department of Fish and Wildlife					
	Field Crew:	Phinney;Whitney	Review Date: 1/2	27/2009			

Culvert Details						Level A Parameters							
<u>ID</u>	<u>Shape</u>	<u>Material</u>	<u>Span</u>	<u>Rise</u>	<u>Length</u>	<u>WDIC</u>	<u>Apron</u>	WSDrop	Location	Countersunk	Backwater	Slope (%)	<u>Sediment</u>
1.1	RND	PCC	1.52	1.52	39.10	0.40		0.00		No		1.50	
All o	dimensio	ns in mete	ers										





Assessment Results		Tidal Influence:	Tidal Influence:		esent:	No	
Barrier:	Yes	Passability (%):	33	Method:		Level A	
Reason:	Slope	Fishway Present:	No	Recheck:			

Comments

US culvert sections separated at top (2 sections). Slope shot with clinometer due to separation.

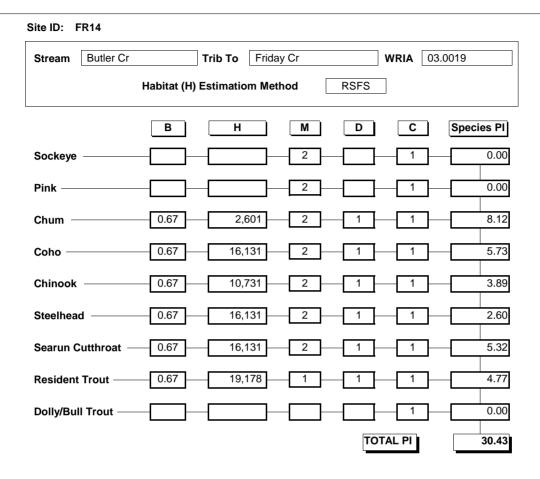
Potential Habitat Gain

Potential Habitat C	Jain				
Survey Type:	RSFS	Spawning (sq m):	2,728	Length (m):	6,046
Significant Reach:	Yes	Rearing (sq m):	19,178	PI Total	30.43

WDFW Fish Passage and Diversion Screening Inventory Database Habitat Survey Summary Report

Site ID: FR14			
Latitude: 48.59439 Longi	tude: -122.32	406 WRIA:	03.0019
Stream: Butler Cr Tribut	ary To: Friday Cr	PI Total:	30.43
Survey Type RSFS			
Spreadsheet File(s):			
03.0017 1.90.xls; 03.0017 1.90B.xl	ls; 03.0017 1.90B1.xls	; 03.0017 1.90B2.xls	
Downstream Survey			
Date: 1/27/2009 Crew: Barber;P	hinney;Whitney Le	ngth (m): 7,496	
Downstream Comments:			
Two additional DS barriers: FR13; 03	.0017 1.90.		
Upstream Survey	-		
·	Phinney;Whitney Le	ngth (m): 6,046	
Upstream Comments:			
One additional US barrier: 03.0019	4.30.		
Potential Habitat Gain			
	□Distribution ———		
Lineal (m): 6,046	Anadromous	Gain Direction (Reside	ent Only):
Spawning Area (sq m): 2,728	Resident Only		
Rearing Area (sq m): 19,178	OUnknown		
Potential Species Benefit			
☐ Sockeye / Kokanee	✓ Chinook	✓ Searun Cutthroat	t
☐ Pink	✓ Coho	Resident Trout	
✓ Chum	✓ Steelhead	☐ Bull Trout	

WDFW Fish Passage and Diversion Screening Inventory Database Barrier Priority Index Report



B = proportion of fish passage improvement (1, 0.67, 0.33).

H = potential habitat gain (square meters), spawning habitat for sockeye, pink and chum, rearing habitat for the rest.

M= mobility modifier (anadromous = 2, resident = 1).

D = stock condition modifier (critical = 3, depressed = 2, not 2 or 3 = 1).

C= repair cost modifier (<\$100K = 3, \$100K - \$500K = 2, >\$500K = 1).